

Fortified Breakfast Cereal

Art. ID	NIST-3233
Unit	60 g
Deliverydetails	No Dangerous Good /not restricted

Description

This Standard Reference Material (SRM®) is intended primarily for validation of methods for determining proximates, sugars, dietary fiber, vitamins, elements, and amino acids in fortified breakfast cereals and similar materials. This SRM can also be used for quality assurance when assigning values to in-house reference materials. The SRM is a wheat-based fortified breakfast cereal prepared by a commercial manufacturer. A unit of NIST-3233 consists of one bottle containing approximately 60 g of material and sealed inside an aluminized pouch. /// Sample value(s) - please ask for current certificate.

Text/Information	Analyte/Parameter	CAS number	Concentration/Value	Unit	Method	Source
Certified Mass Fraction Value	Barium (Ba)	[7440-39-3]	2,766 ± 0,033	mg/kg		
Certified Mass Fraction Value	Cadmium (Cd)	[7440-43-9]	0,0819 ± 0,0020	mg/kg		
Certified Mass Fraction Value	Calcium (Ca)	[7440-70-2]	36910 ± 920	mg/kg		
Certified Mass Fraction Value	Copper (Cu)	[7440-50-8]	3,97 ± 0,28	mg/kg		
Certified Mass Fraction Value	Iron (Fe)	[7439-89-6]	766 ± 36	mg/kg		
Certified Mass Fraction Value	Magnesium (Mg)	[7439-95-4]	1093 ± 37	mg/kg		
Certified Mass Fraction Value	Manganese (Mn)	[7439-96-5]	33,1 ± 1,1	mg/kg		
Certified Mass Fraction Value	Phosphorus (P)	[7723-14-0]	2592 ± 68	mg/kg		
Certified Mass Fraction Value	Potassium (K)	[7440-09-7]	3060 ± 140	mg/kg		
Certified Mass Fraction Value	Sodium (Na)	[7440-23-5]	6830 ± 120	mg/kg		
Certified Mass Fraction Value	Strontium (Sr)	[7440-24-6]	8,34 ± 0,17	mg/kg		
Certified Mass Fraction Value	Zinc (Zn)	[7440-66-6]	628 ± 16	mg/kg		
Certified Mass Fraction Value	Thiamine (Vitamin B1)	[59-43-8]	60.2 ± 9.4	mg/kg		

Certified Mass Fraction Value	Niacinamide (Vitamin B3)	[98-92-0]	799 ± 27	mg/kg
Certified Mass Fraction Value	Total Vitamin B3 as Niacinamide	[98-92-0]	822 ± 39	mg/kg
Certified Mass Fraction Value	Pantothenic Acid (Vitamin B5)		540 ± 40	mg/kg
Certified Mass Fraction Value	Folic acid	[59-30-3]	15.1 ± 1.2	mg/kg
Certified Mass Fraction Value	Total alpha-Tocopherol (Vitamin E)	[10191-41-0]	1350 ± 220	mg/kg